

INTEGRATION SOURCE 100A

INTEGRATION  
SOURCE 100A

INTEGRATION  
SOURCE 100C

INTEGRATION  
•••  
SOURCE 100i

INTEGRATION  
LAYER

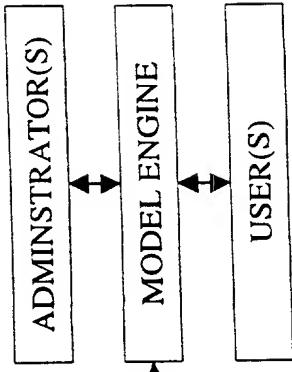


FIG. 1A

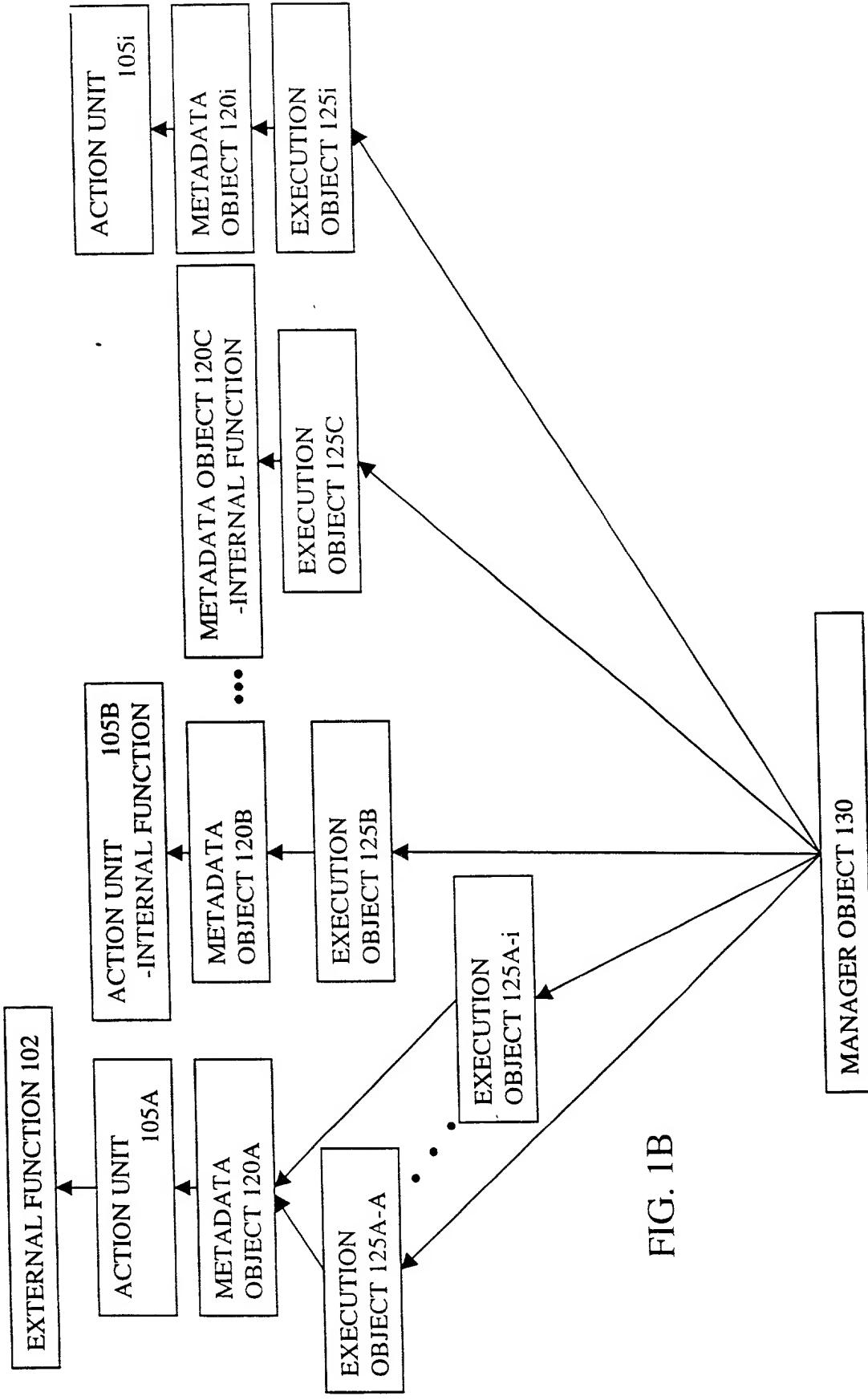


FIG. 1B

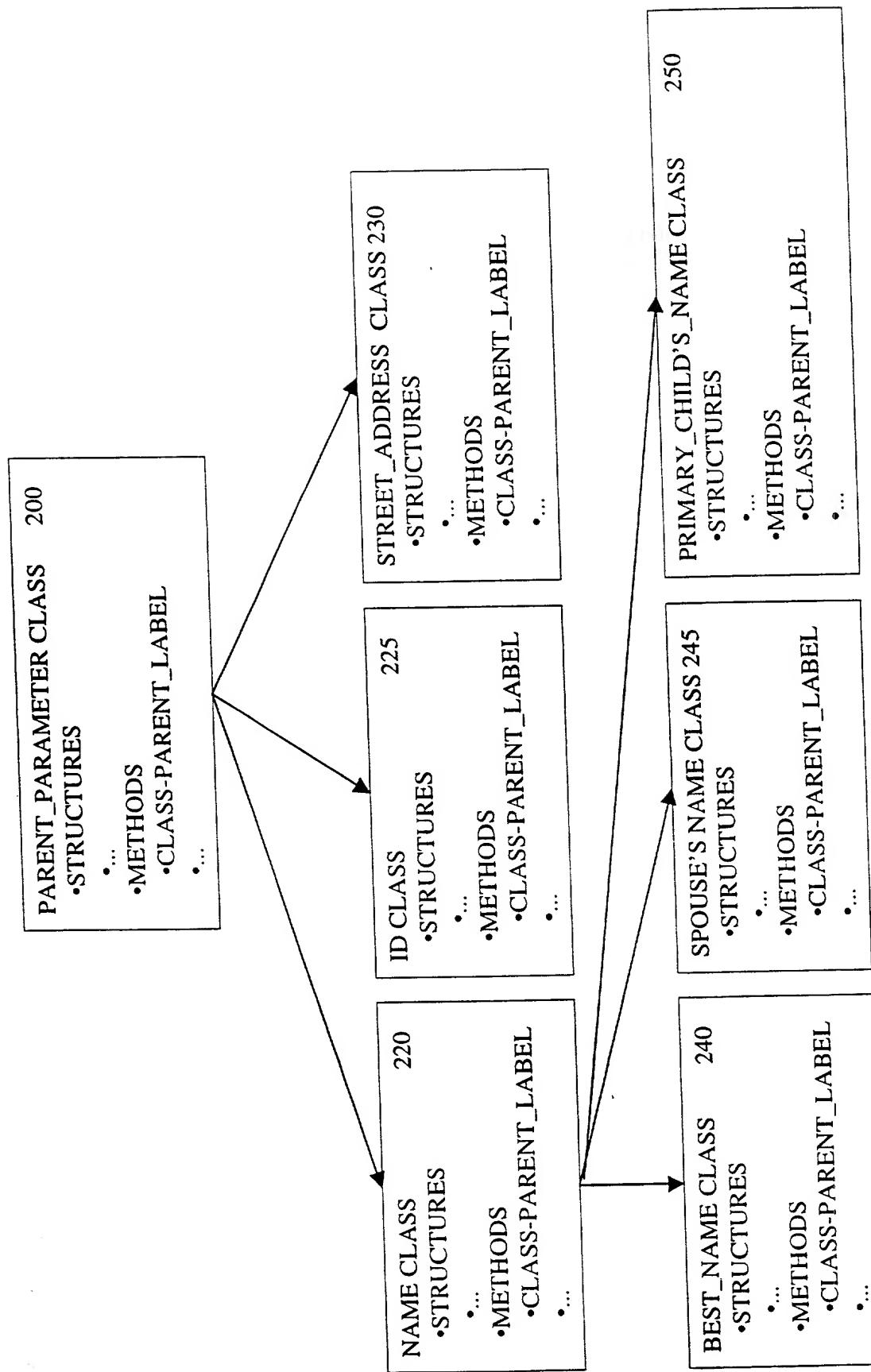
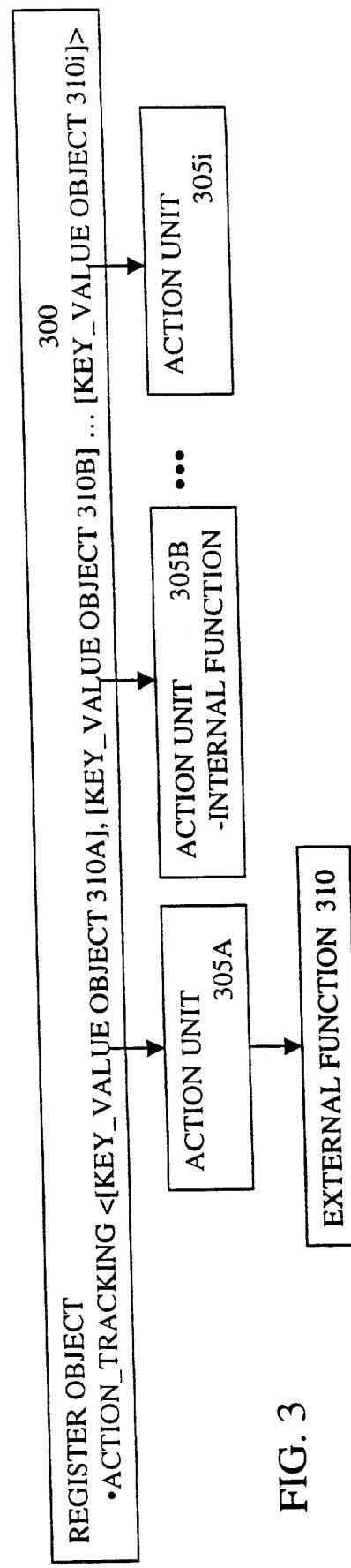
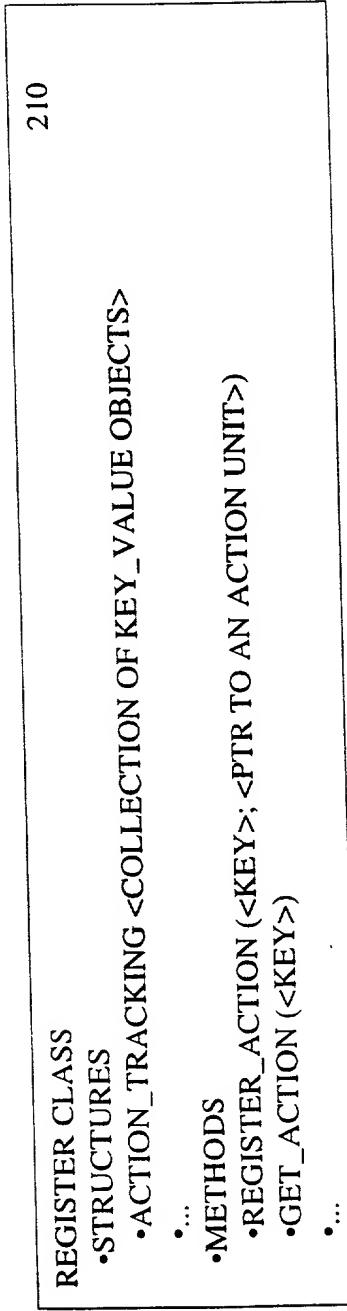
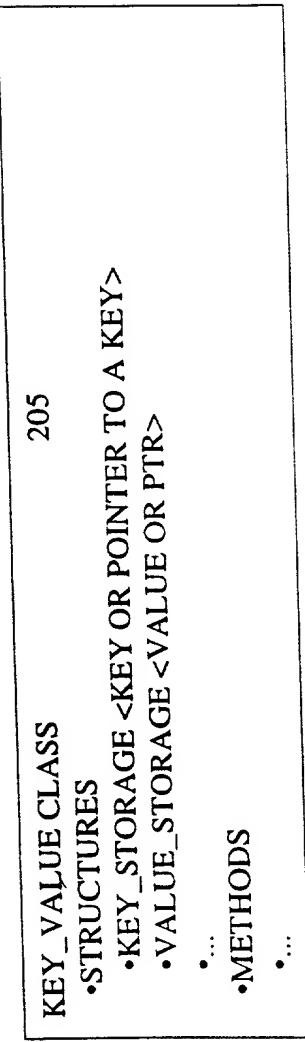


FIG. 2A



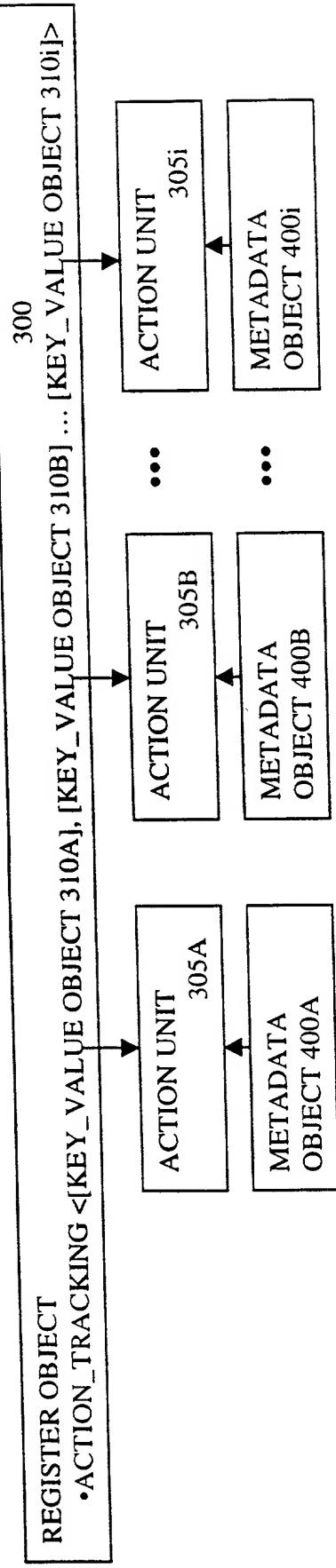


FIG. 4

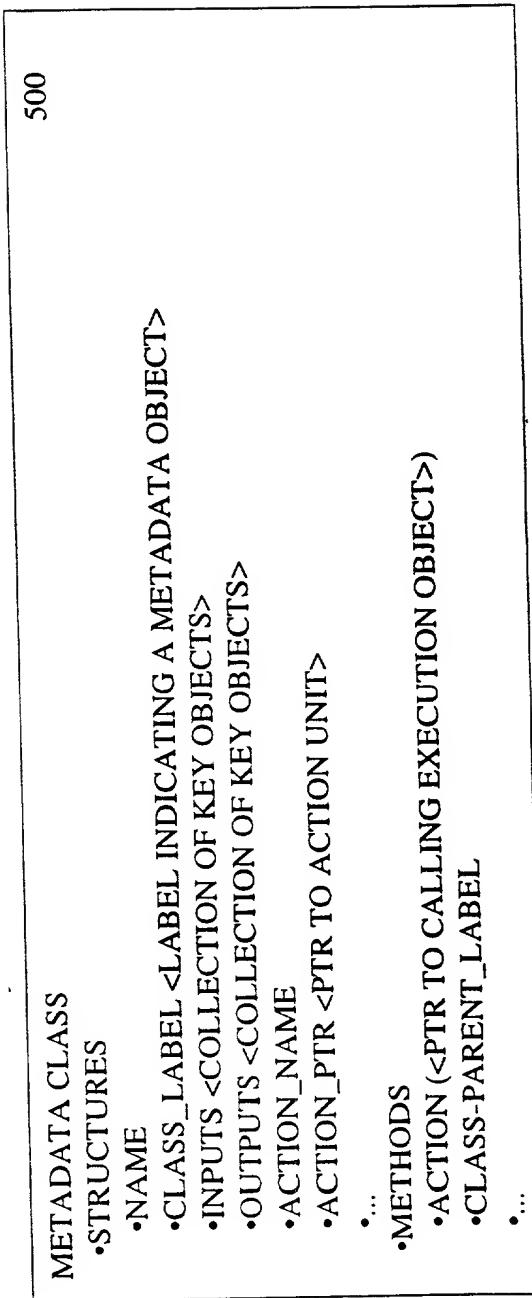


FIG. 5

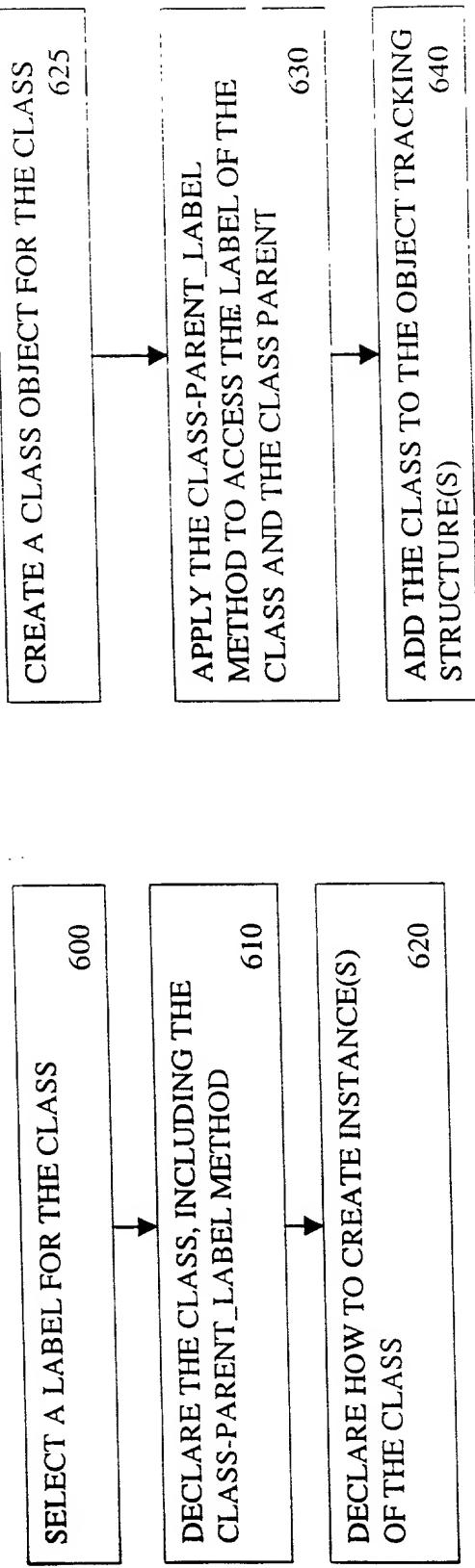


FIG. 6A

FIG. 6B

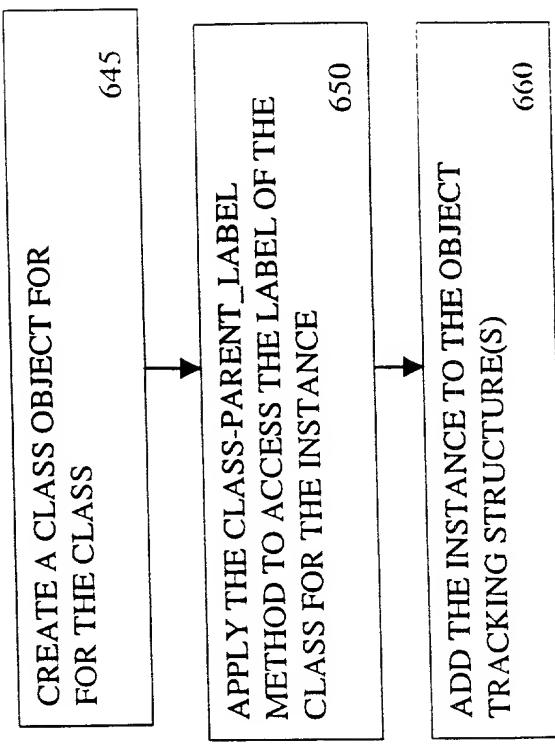


FIG. 6C

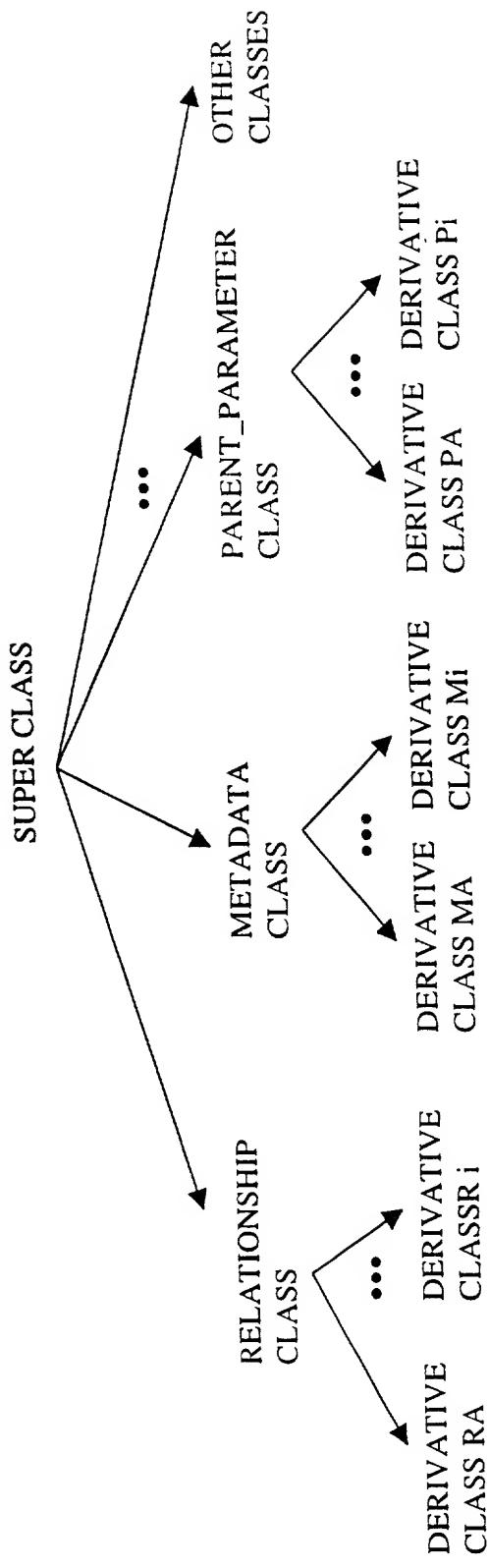


FIG. 7

SUBCLASS LABEL	NAME(S) OF INSTANCE(S)
RELATIONSHIP CLASS	<NAME1>, <NAME2> ...
TRACKING CLASS	
PARENT_PARAMETER CLASS	
DERIVATIVE CLASS PA	
DERIVATIVE CLASS Pi	
.	

FIG. 8

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EXECUTION CLASS

•STRUCTURES

- NAME <SAME AS METADATA OBJECT ASSOCIATED WITH>
- CLASS\_LABEL <LABEL INDICATING A EXECUTION OBJECT>
- PARAMS <COLLECTION OF KEY\_VALUE OBJECTS>
- METADATA\_OBJECT\_PTR <PTR TO ASSOCIATED METADATA OBJECT>
- MANAGER\_PTR <PTR TO MANAGER OBJECT OR NULL>
- ...

•METHODS

- SET\_PARAM (<KEY>, <VALUE>)
- GET\_PARAM (<KEY>; <CONTEXT OBJECT>)
- EXECUTE (<MANAGER OBJECT>; <CONTEXT OBJECT>)
- PARAMETER\_SATISFY (<NEED\_COLLECTION>; <EXECUTION OBJECT>; <HAVE>)
- ...

FIG. 9

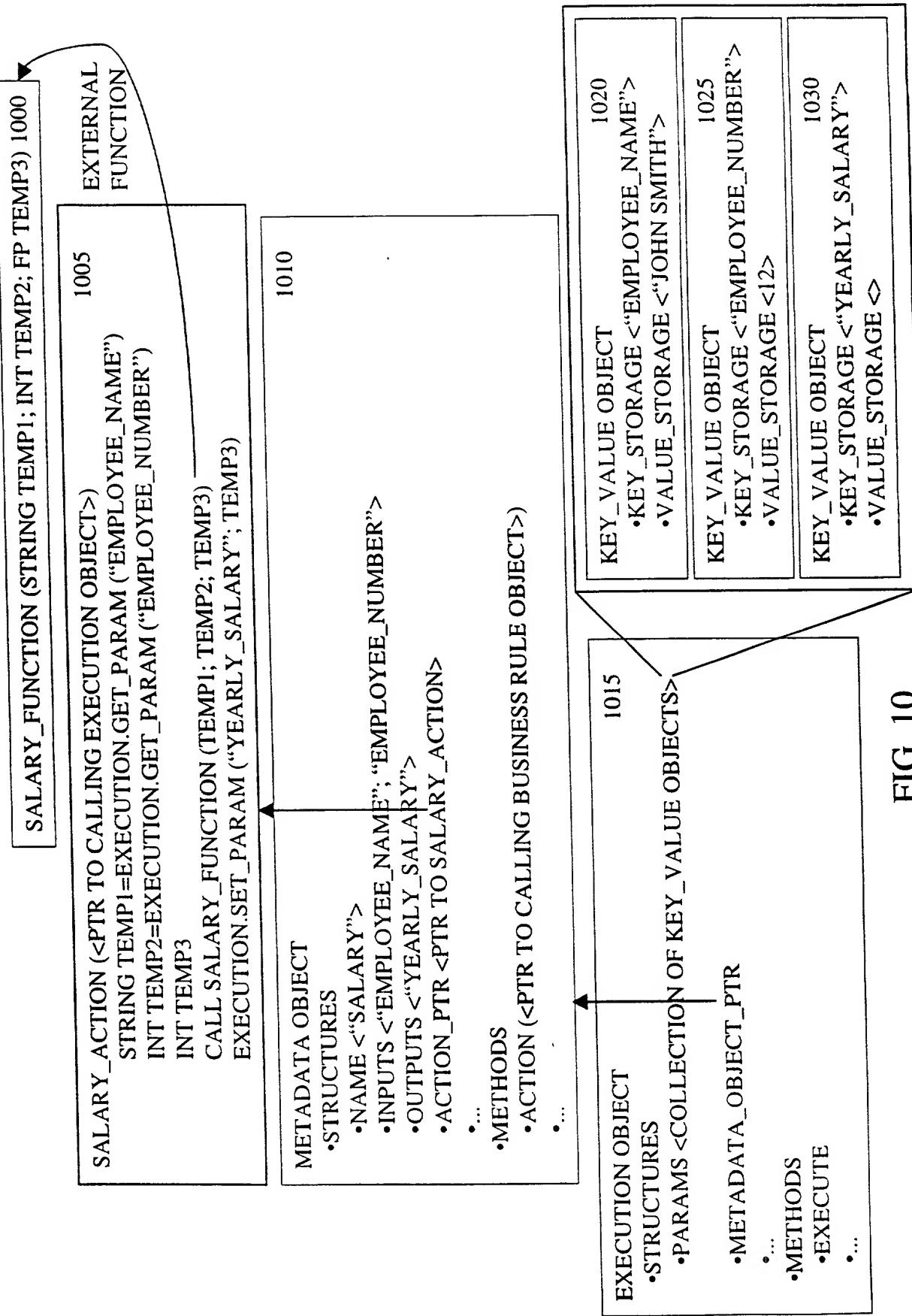


FIG. 10

CONTEXT CLASS  
•STRUCTURES

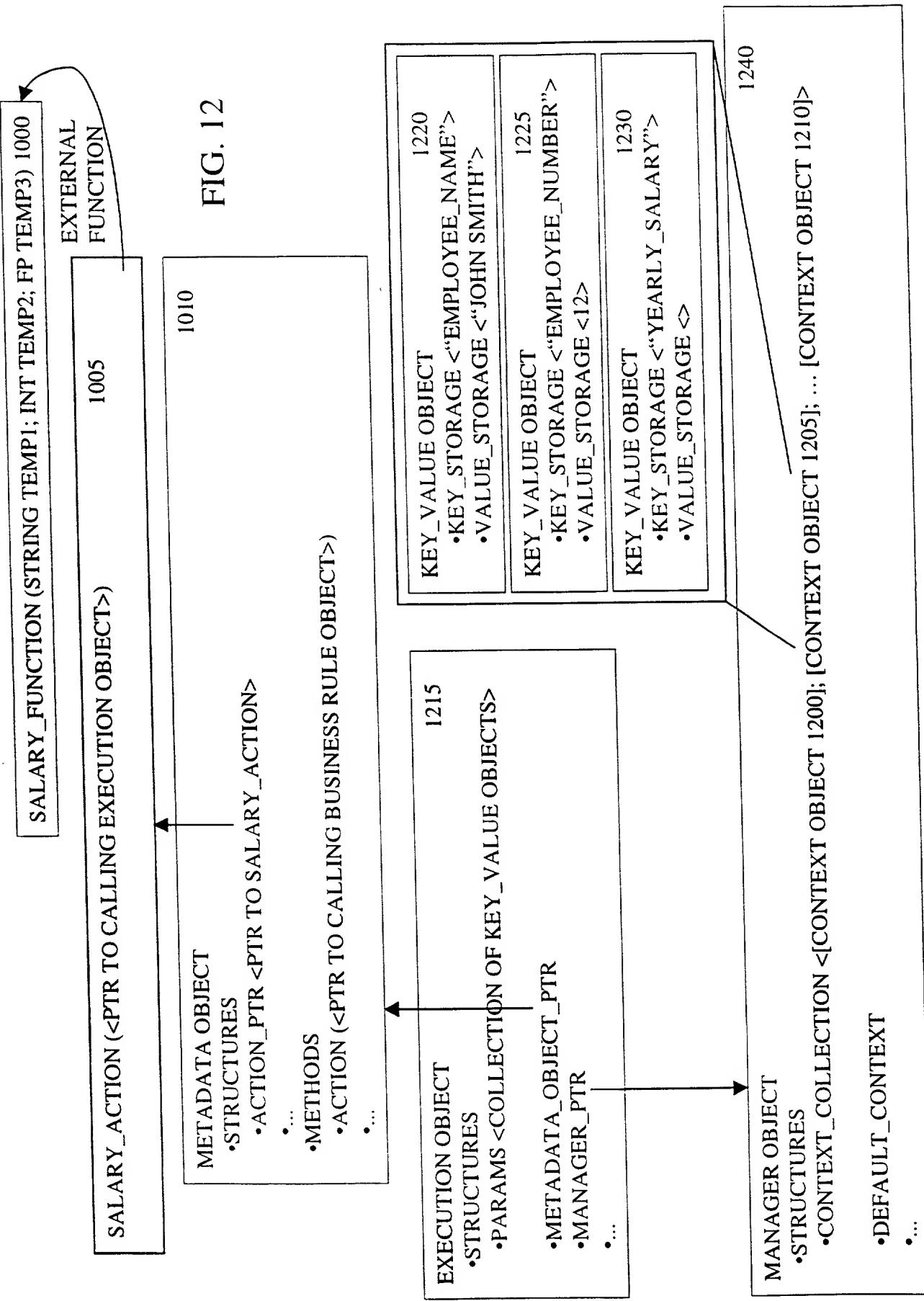
- NAME
- KEY\_VALUE\_COLLECTION <COLLECTION OF KEY\_VALUE OBJECTS>
- EXECUTION\_COLLECTION <COLLECTION OF EXECUTION OBJECTS>
- ...
- METHODS
- ...

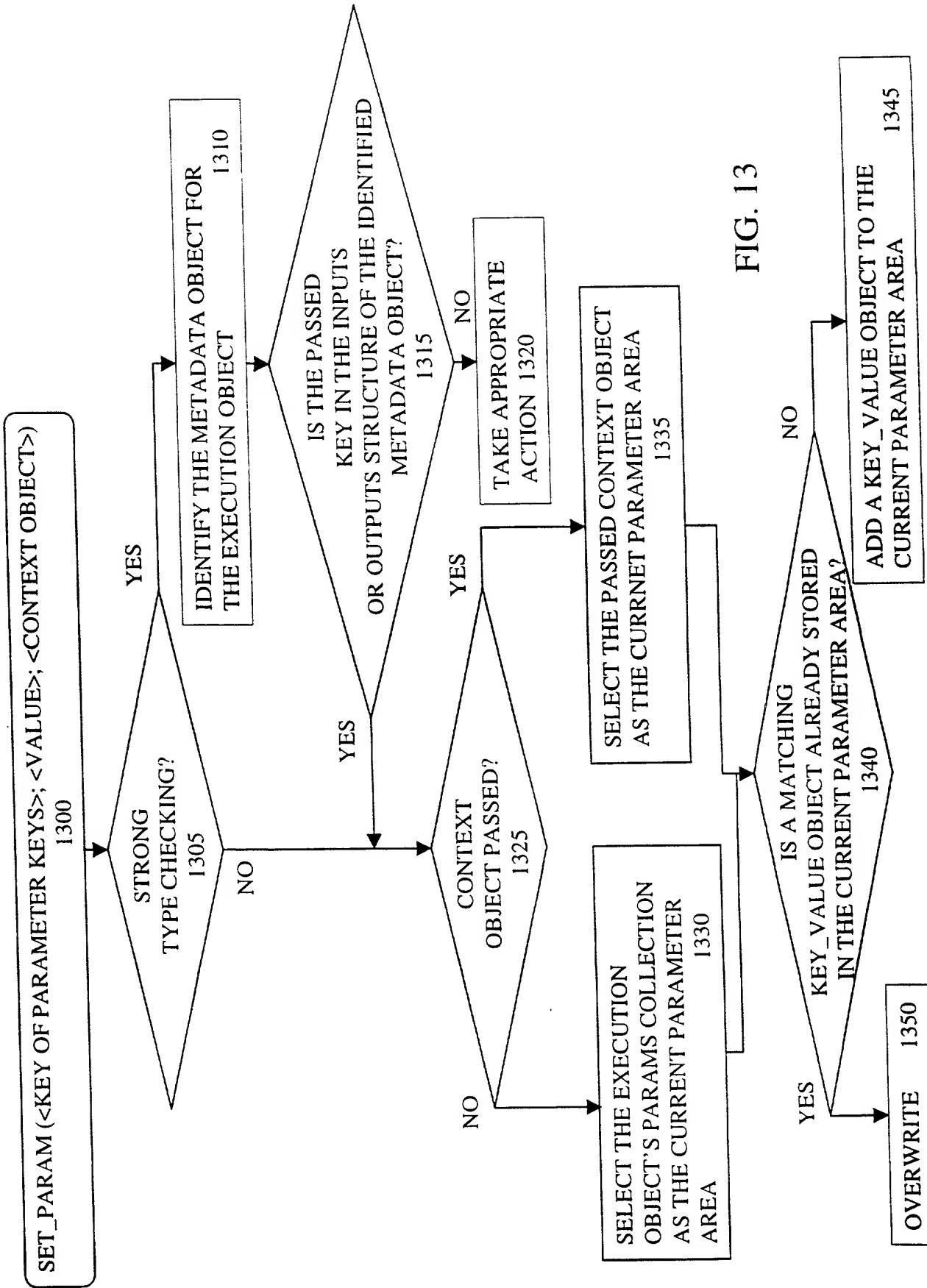
FIG. 11A

MANAGER CLASS  
•STRUCTURES

- CONTEXT\_COLLECTION <COLLECTION OF CONTEXT OBJECTS>
- DEFAULT\_CONTEXT <IDENTIFIES ONE OF CONTEXT OBJECTS IN CONTEXT\_COLLECTION>
- EXECUTION\_COLLECTION <COLLECTION OF EXECUTION OBJECTS MANAGED BY A MANAGER OBJECT>
- EXECUTION\_PATH\_COLLECTION <ORDERED COLLECTION OF LEVEL OBJECTS>
- ...
- METHODS
- NEW\_EXECUTION (<NAME OF METADATA OBJECT>; <CONTEXT OBJECT>)
- FIND\_BY\_NAME (<NAME OF METADATA OBJECT>; <CLASS\_LABEL>; <CONTEXT OBJECT>)
- FIND\_BY\_NEED (<NEED\_COLLECTION (E.G., COLLECTION OF PARAMETER KEYS)>; <HAVE (E.G., CONTEXT OBJECT CONTAINING PARAMETERS HAVE VALUES FOR)>)
- FIND\_BY\_NAME\_AND\_EXECUTE (<NAME OF METADATA OBJECT>; <CLASS\_LABEL>; <CONTEXT OBJECT>)
- FIND\_BY\_NEED\_AND\_EXECUTE (<NEED\_COLLECTION (E.G., COLLECTION OF PARAMETER KEYS)>; <HAVE (E.G., CONTEXT OBJECT CONTAINING PARAMETERS HAVE VALUES FOR)>)
- ...

FIG. 11B





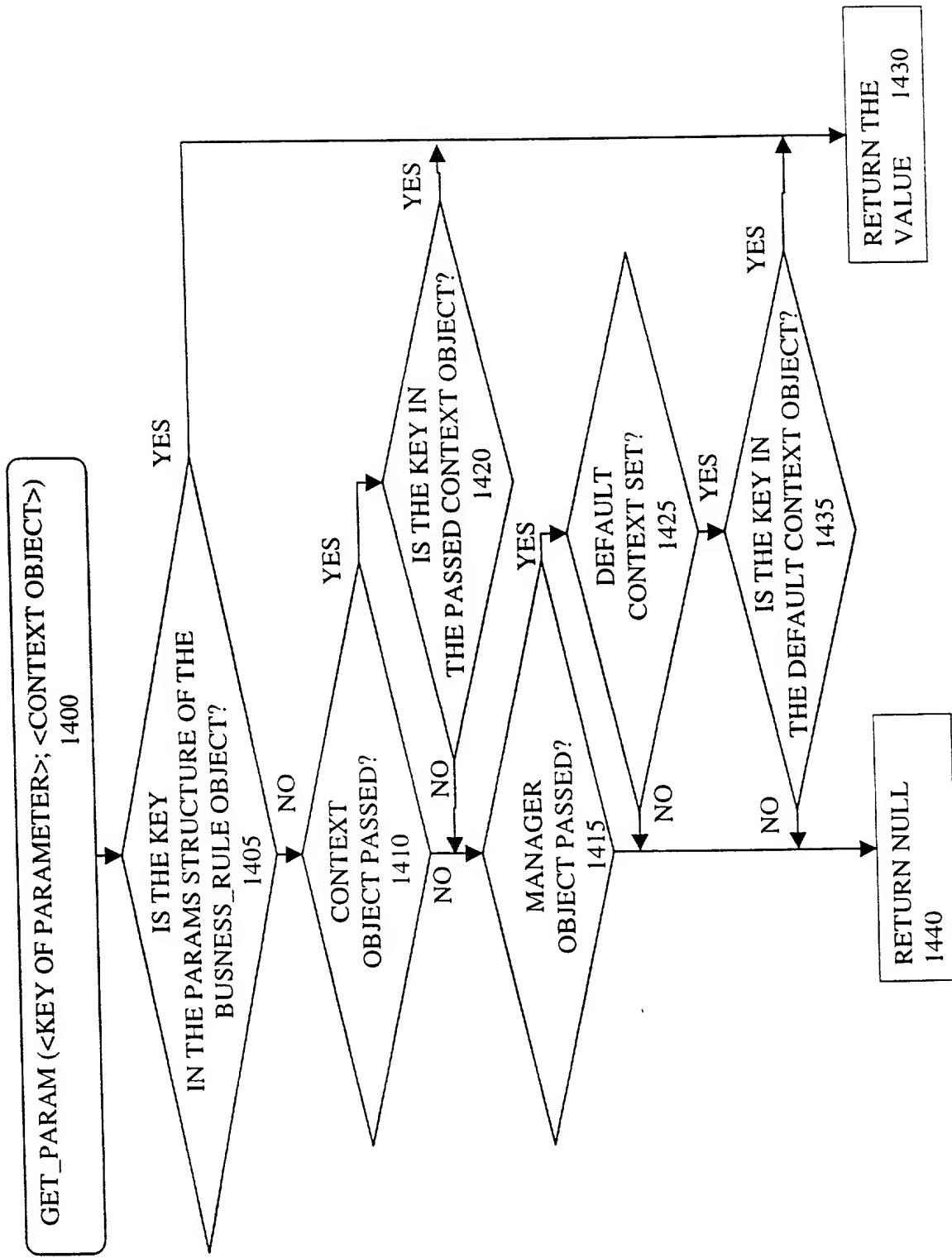
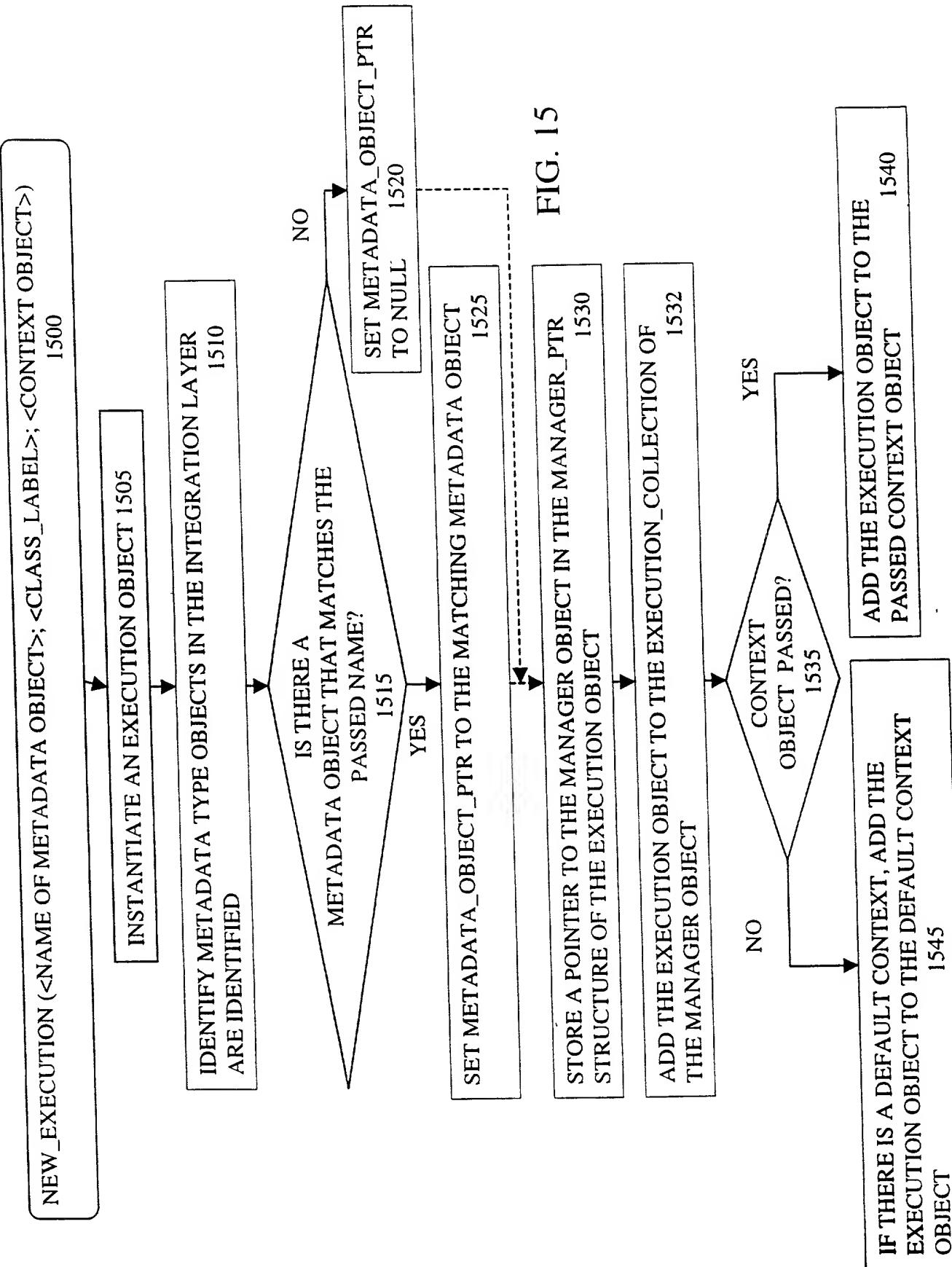


FIG. 14



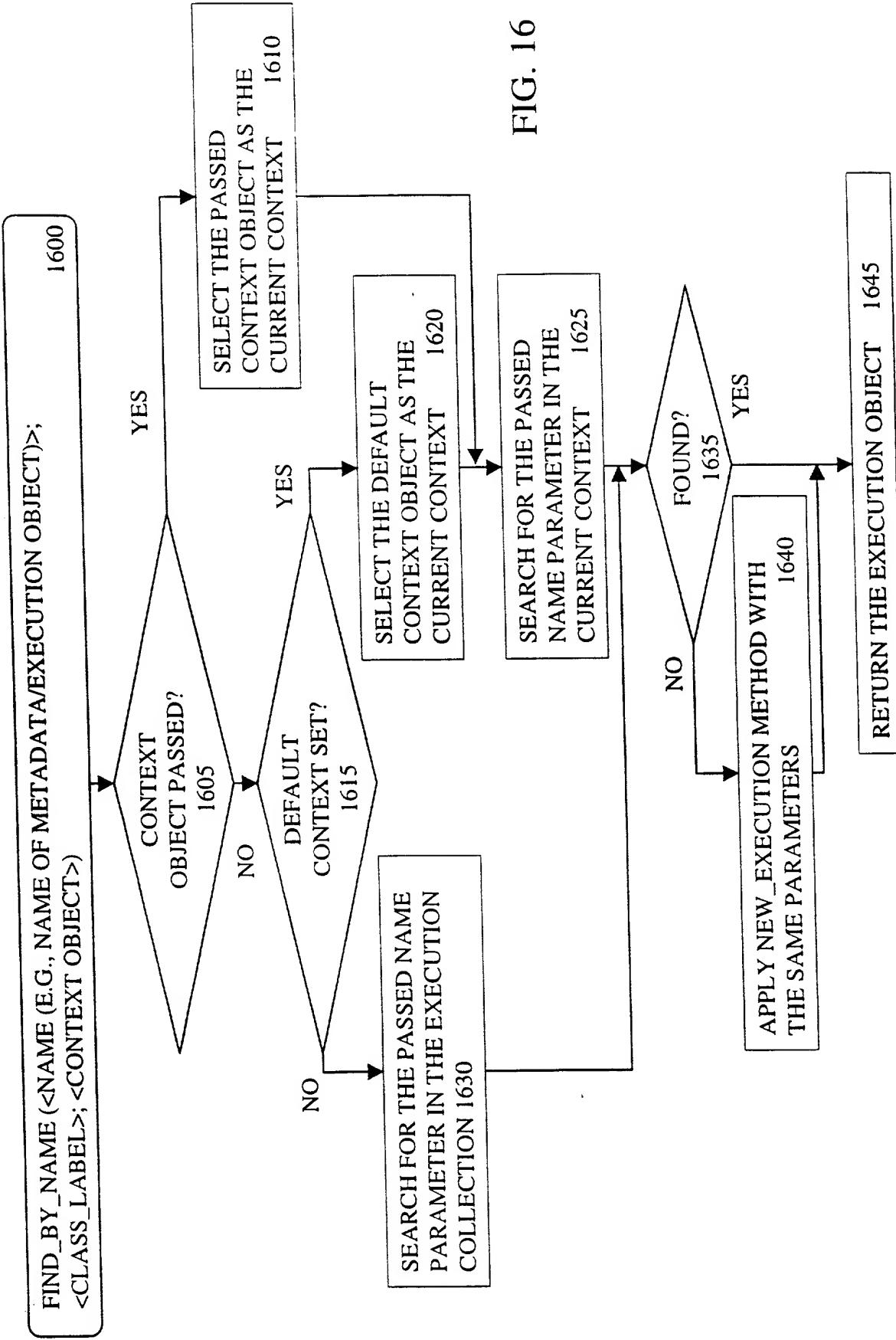


FIG. 16

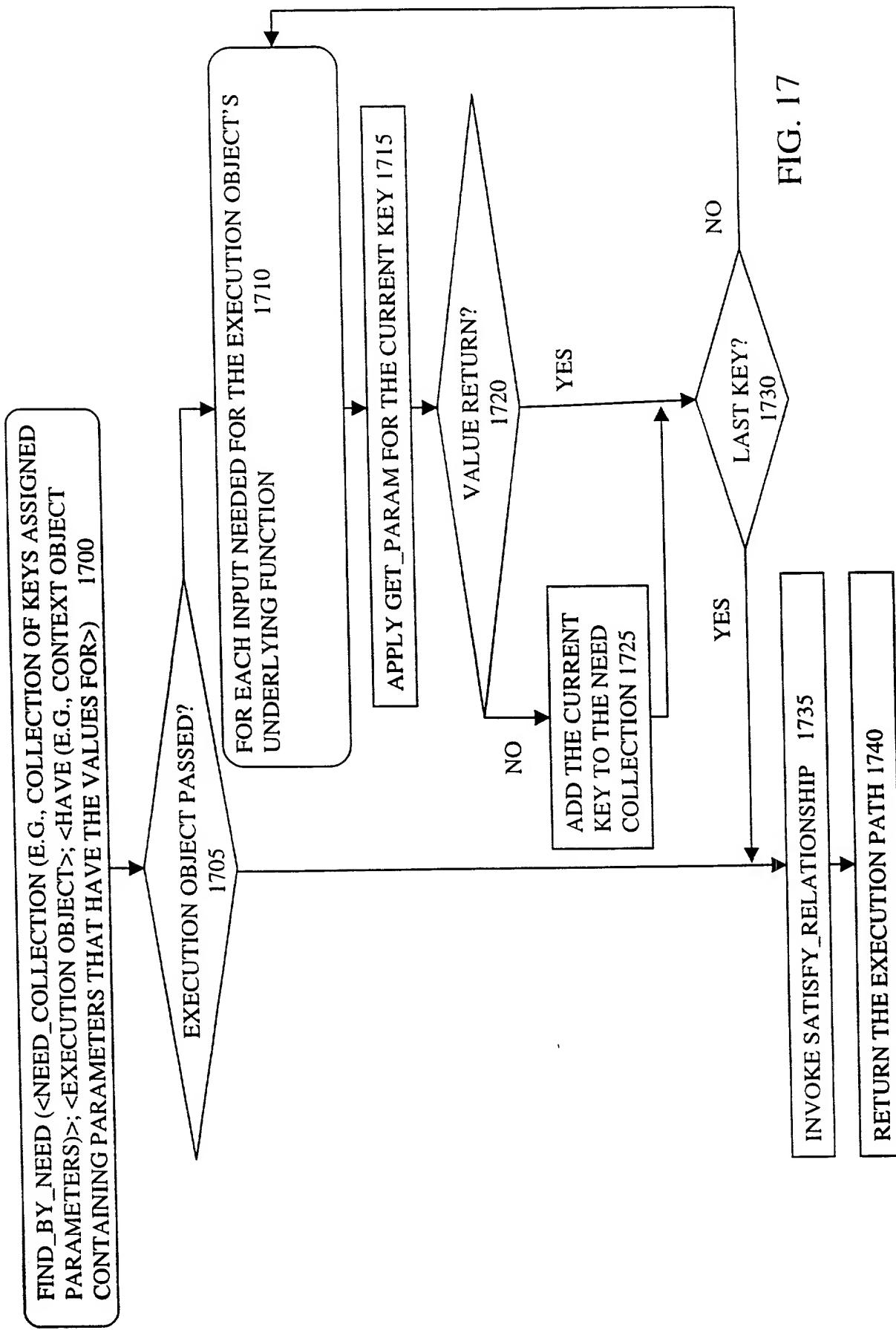


FIG. 17

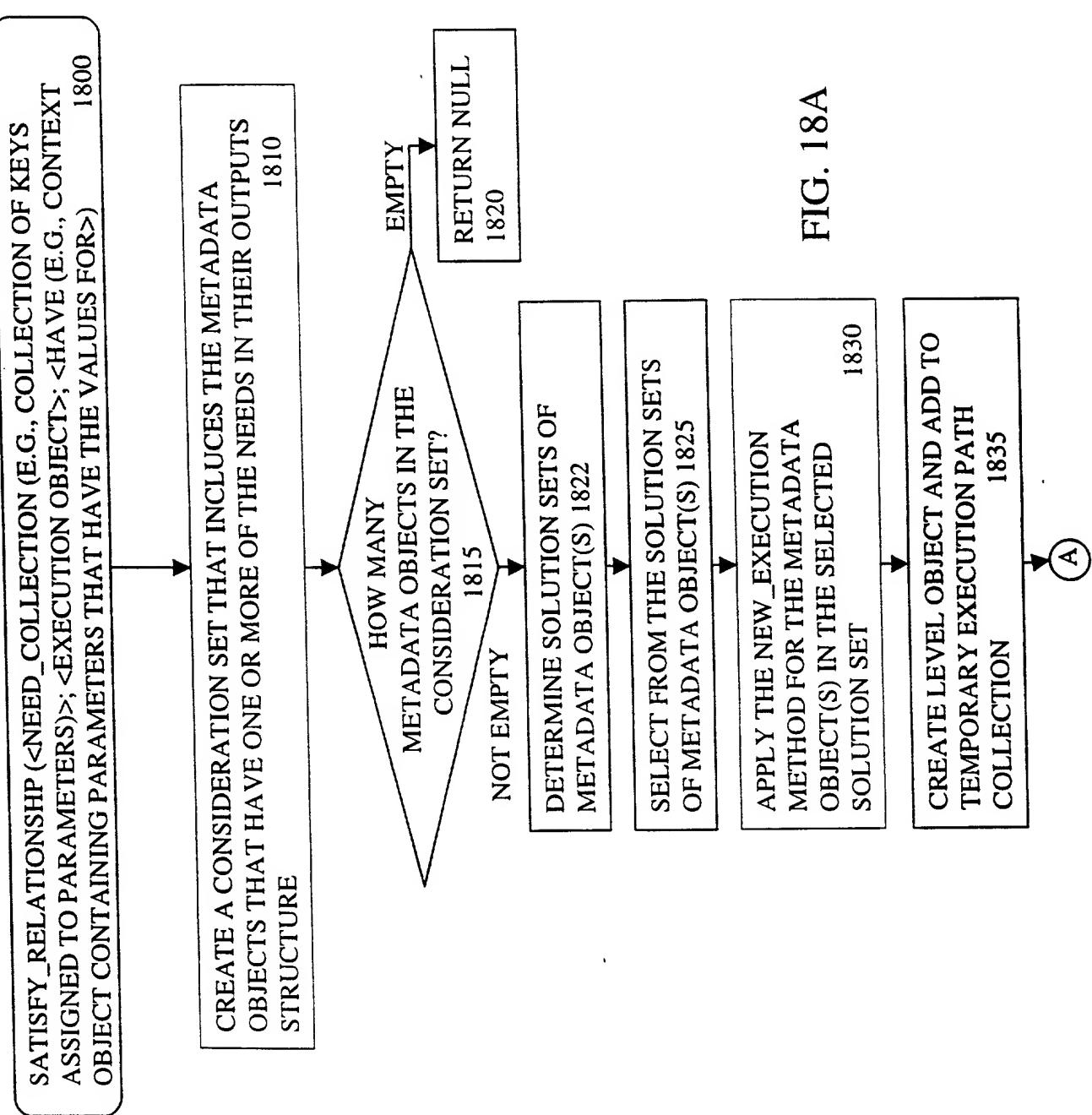


FIG. 18A

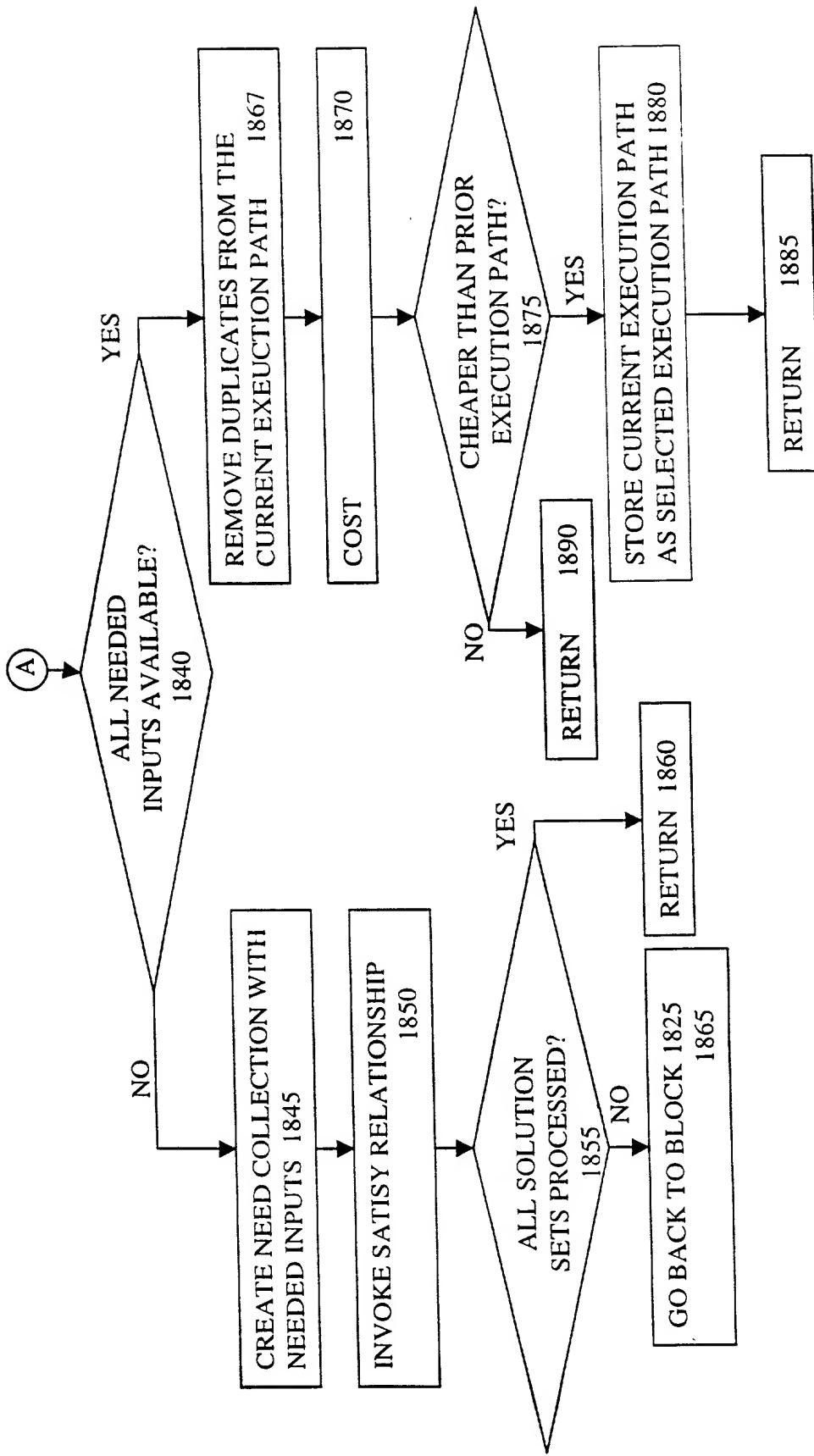
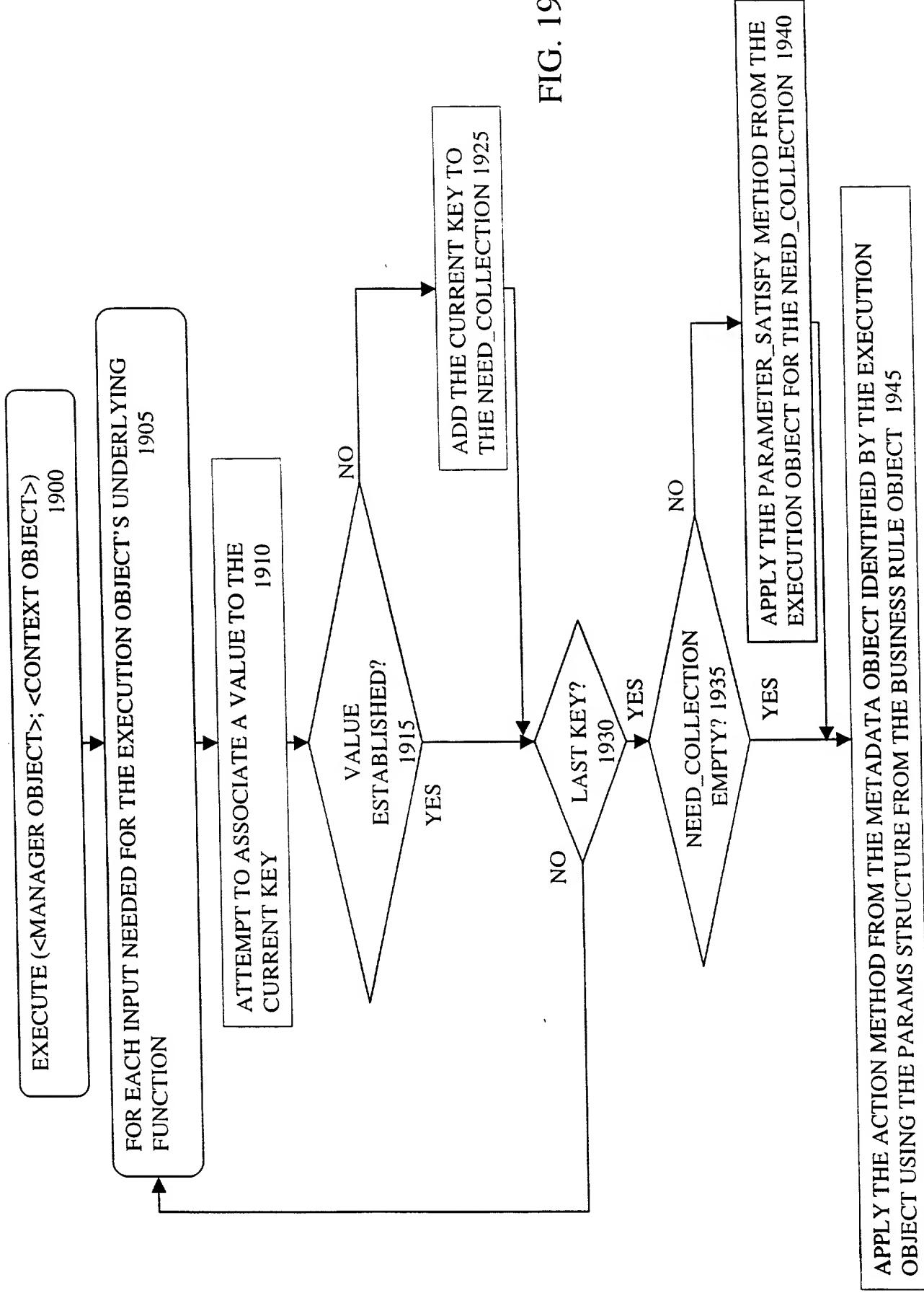


FIG. 18B



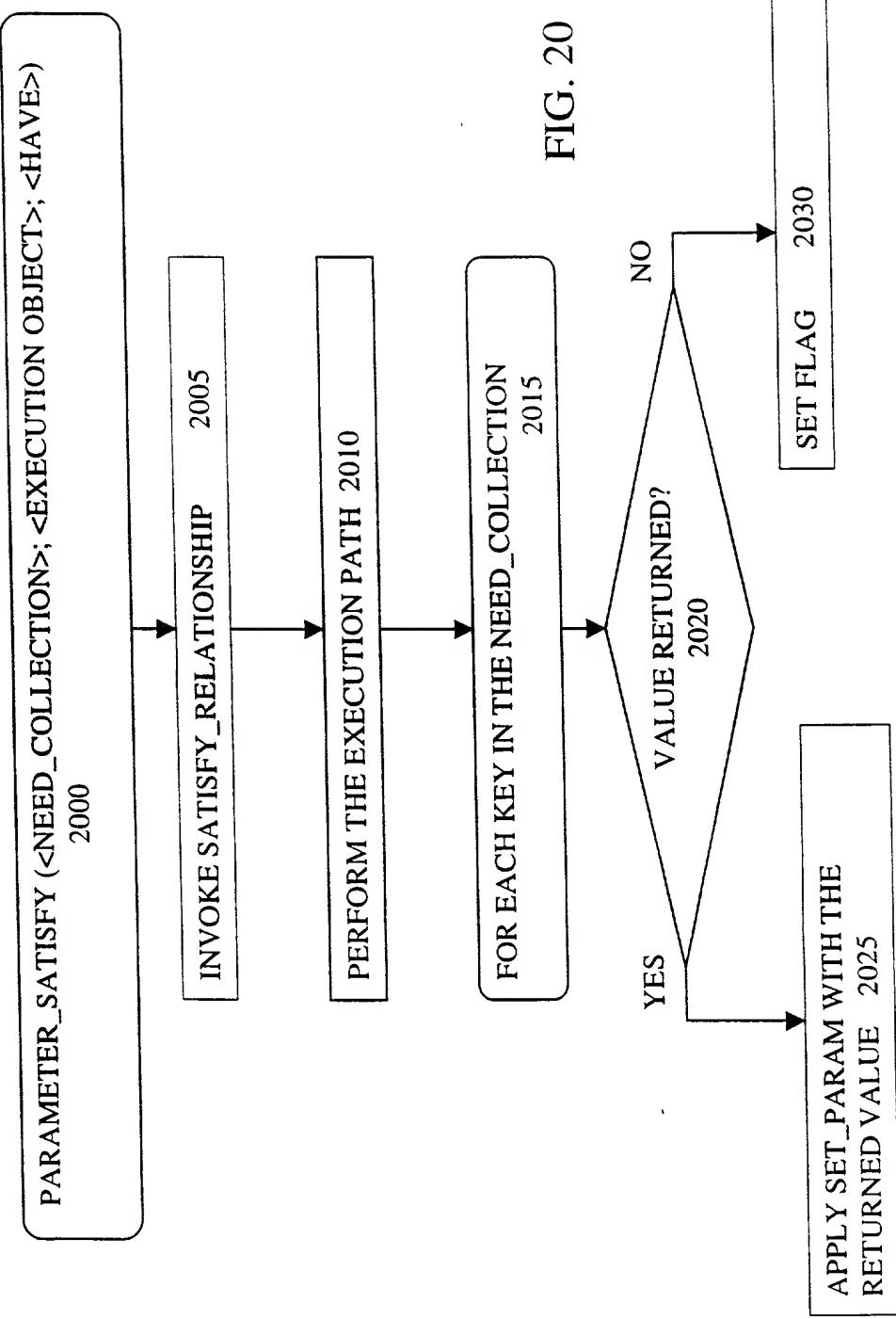


FIG. 21

